

Supplementary File I

Supplementary Table S1. Patient characteristics by adherence to feeding regimen: Subgroup analysis for any complication.

	No Deviation	Deviation Due to Complications	<i>p</i> -value
	n = 116	n = 31	
Age, years	65 [9]	64 [7]	0.769
BMI, kg/m²	26.1 [23.4-29.3]	25.6 [23.9-29.7]	0.987
Weight loss, kg	0 [0-5]	2 [0-6]	0.744
Sex, male	99 (85.3)	23 (74.2)	0.142
ASA			0.043
II	86 (74.1)	17 (54.8)	
III	27 (23.3)	14 (45.2)	
IV	3 (2.6)	0	
Smoking history	92 (79.3)	27 (87.1)	0.327
Active smoker (or quit <1 year)	33 (28.7)	12 (38.7)	0.284
Alcohol consumption			0.920
Daily	38 (33.0)	11 (35.5)	
Weekly	18 (15.7)	4 (12.9)	
Preoperative Tube feeding	25 (21.6)	10 (32.3)	0.214
Comorbidity	74 (63.8)	21 (67.7)	0.683
Cardiac	17 (14.7)	5 (16.1)	0.838
Pulmonary	23 (19.8)	7 (22.6)	0.735
COPD	13 (11.2)	5 (16.1)	0.458
Vascular	40 (34.5)	13 (41.9)	0.443
Hypertension	36 (31.0)	12 (38.7)	0.418
Diabetes	15 (12.9)	4 (12.9)	0.997
Obesity	25 (21.6)	7 (22.6)	0.902
(c)TNM stage			0.017
Stage 0	1 (0.9)	0	
Stage I	4 (3.4)	6 (19.4)	
Stage II	22 (19.0)	7 (22.6)	
Stage III	61 (52.6)	15 (48.4)	
Stage IV	28 (24.1)	3 (9.7)	

Legend: values are absolute numbers (percentage) or medians [lower quartile – upper quartile] means [standard deviation]. BMI body mass index; ASA American Society of Anesthesiologists; (c)TNM clinical TNM staging.

Supplementary Table S2. Patient characteristics by adherence to feeding regimen: subgroup analysis for insufficient intake.

	No Deviation	Deviation Due to Insufficient Intake	
	n = 116	n = 18	<i>p</i> -value
Age, years	65 [9]	64 [9]	0.595
	[23.4-		
BMI, kg/m²	26.1 29.3]	24.8 [23.2-29.1]	0.395
Weight loss, kg	0 [0-5]	4 [0-8]	0.275
Sex, male	99 (85.3)	9 (50.0)	<0.001
ASA			
II	86 (74.1)	15 (83.3)	0.624
III	27 (23.3)	3 (16.7)	
IV	3 (2.6)	0	
Smoking history	92 (79.3)	13 (72.2)	0.497
Active smoker (or quit <1 year)	33 (28.7)	5 (27.8)	0.936
Alcohol consumption			0.229
Daily	38 (33.0)	4 (22.2)	
Weekly	18 (15.7)	1 (5.6)	
Preoperative Tube feeding	25 (21.6)	6 (33.3)	0.270
Comorbidity	74 (63.8)	11 (61.1)	0.826
Cardiac	17 (14.7)	3 (16.7)	0.824
Pulmonary	23 (19.8)	4 (22.2)	0.814
COPD	13 (11.2)	2 (11.1)	0.990
Vascular	40 (34.5)	4 (22.2)	0.303
Hypertension	36 (31.0)	4 (22.2)	0.447
Diabetes	15 (12.9)	0	0.105
Obesity	25 (21.6)	3 (16.7)	0.635
(c)TNM stage			0.082
Stage 0	1 (0.9)	1 (5.6)	
Stage I	4 (3.4)	3 (16.7)	
Stage II	22 (19.0)	2 (11.1)	
Stage III	61 (52.6)	8 (44.4)	
Stage IV	28 (24.1)	4 (22.2)	

Legend: values are absolute numbers (percentage) or medians [lower quartile – upper quartile] means [standard deviation]. BMI body mass index; ASA American Society of Anesthesiologists; (c)TNM clinical TNM staging.

Supplementary Table S3. Patient characteristics by anastomotic leakage.

	Uncomplicated n = 77	Anastomotic Leakage n = 15	<i>p</i> -value
Age, years	65 [56-71]	60 [56-66]	0.186
BMI, kg/m²	26.0 [23.7-29.9]	25.7 [23.9-33.0]	0.845
Weight loss, kg	0 [0-5]	3 [2-6]	0.158
Sex, male	64 (83.1)	13 (86.7)	0.733
ASA			0.001
II	59 (76.6)	5 (33.3)	
III	18 (23.4)	10 (66.7)	
Smoking history	58 (75.3)	15 (100)	0.031
Active smoker (or quit <1 year)	14 (18.4)	6 (40.0)	0.065
Alcohol consumption			0.611
Daily	21 (27.3)	6 (40.0)	
Weekly	13 (16.9)	2 (13.3)	
Preoperative Tube feeding	15 (19.5)	5 (33.3)	0.234
Comorbidity	49 (63.6)	12 (80.0)	0.220
Cardiac	9 (11.7)	3 (20.0)	0.382
Pulmonary	17 (22.1)	4 (26.7)	0.698
COPD	8 (10.4)	3 (20.0)	0.294
Vascular	24 (31.2)	7 (46.7)	0.245
Hypertension	23 (29.9)	6 (40.0)	0.440
Diabetes	11 (14.3)	2 (13.3)	0.923
Obesity	17 (22.1)	4 (26.7)	0.698
(c)TNM stage			0.444
Stage 0	1 (1.3)	0	
Stage I	5 (6.5)	2 (13.3)	
Stage II	12 (15.6)	4 (26.7)	
Stage III	40 (51.9)	8 (53.3)	
Stage IV	19 (24.7)	1 (6.7)	

Legend: values are absolute numbers (percentage) or medians [lower quartile – upper quartile] means [standard deviation]. BMI body mass index; ASA American Society of Anesthesiologists; (c)TNM clinical TNM staging.

Supplementary Table S4. Patient characteristics by pneumonia (UPS).

	Uncomplicated	Pneumonia	
	n = 77	n = 36	<i>p</i> -value
Age, years	63 [10]	65 [7]	0.190
BMI, kg/m²	26.8 [4.4]	26.4 [4.7]	0.664
Weight loss, kg	0 [0-5]	2 [0-6]	0.498
Sex, male	64 (83.1)	9 (25.0)	0.310
ASA			0.023
II	59 (76.6)	20 (55.6)	
III	18 (23.4)	16 (44.4)	
Smoking history	58 (75.3)	34 (94.4)	0.015
Active smoker (or quit <1 year)	14 (18.4)	19 (52.8)	<0.001
Alcohol consumption			0.030
Daily	21 (27.3)	17 (47.2)	
Weekly	13 (16.9)	1 (2.8)	
Preoperative Tube feeding	15 (19.5)	12 (33.3)	0.108
Comorbidity	49 (63.6)	26 (72.2)	0.368
Cardiac	9 (11.7)	5 (13.9)	0.741
Pulmonary	17 (22.1)	8 (22.2)	0.986
COPD	8 (10.4)	8 (22.2)	0.093
Vascular	24 (31.2)	15 (41.7)	0.274
Hypertension	23 (29.9)	11 (30.6)	0.941
Diabetes	11 (14.3)	3 (8.3)	0.371
Obesity	17 (22.1)	8 (22.2)	0.986
(c)TNM stage			0.549
Stage 0	1 (1.3)	0	
Stage I	5 (6.5)	3 (8.3)	
Stage II	12 (15.6)	10 (27.8)	
Stage III	40 (51.9)	15 (41.7)	
Stage IV	19 (24.7)	8 (22.2)	

Legend: values are absolute numbers (percentage) or medians [lower quartile – upper quartile] means [standard deviation]. BMI body mass index; ASA American Society of Anesthesiologists; (c)TNM clinical TNM staging.

Supplementary Table S5. Patient characteristics by histological subtype.

	AC and Other	SCC	
	n = 145	n = 20	<i>p</i> -value
Age, years	64 [9]	66 [7]	0.304
BMI, kg/m²	26.0 [23.5-29.8]	24.6 [22.8-27.6]	0.226
Weight loss, kg	1.0 [0-6.0]	1.5 [0-5.8]	0.934
Sex, male	119 (82.1)	12 (60.0)	0.022
ASA			0.265
II	102 (70.3)	16 (80.0)	
III	41 (28.3)	3 (15.0)	
IV	2 (1.4)	1 (5.0)	
Smoking history	115 (79.3)	17 (85.0)	0.551
Active smoker (or quit <1 year)	44 (30.6)	6 (30.0)	0.960
Alcohol consumption			0.093
Daily	43 (29.7)	10 (52.6)	
Weekly	20 (13.8)	3 (15.8)	
Preoperative tube feeding	35 (24.1)	6 (30.0)	0.570
Comorbidity	96 (66.2)	10 (50.0)	0.156
Cardiac	21 (14.5)	4 (20.0)	0.519
Pulmonary	31 (21.4)	3 (15.0)	0.508
COPD	17 (11.9)	3 (15.0)	0.803
Vascular	53 (36.6)	3 (15.0)	0.056
Hypertension	49 (34.3)	3 (15.0)	0.139
Diabetes	19 (13.1)	0	0.085
Obesity	33 (22.8)	2 (10.0)	0.191
(c)TNM stage			0.026
0	2 (1.4)	0-	
I	9 (6.2)	4 (20.0)	
II	24 (16.6)	7 (35.0)	
III	76 (52.4)	8 (40.0)	
IV	32 (23.4)	1 (5.0)	
Surgical lymph node yield	27 [21-32]	29 [21-33]	0.740

Legend: values are absolute numbers (percentage) or medians [lower quartile – upper quartile] means [standard deviation]. BMI body mass index; ASA American Society of Anesthesiologists; (c)TNM clinical TNM staging.